

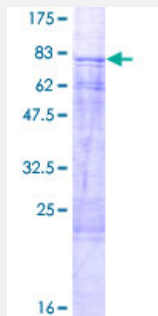
Full-Length

TFDP1 (Human) Recombinant Protein (P01)

Catalog # H00007027-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TFDP1 full-length ORF (NP_009042.1, 1 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAKDAGLIEANGELKVFIDQNLSPGKGVVSLVAVHPSTVNPLGKQLLPKTFGQSNVNIAQQVVIGT
PQRPAASNTLVVGSPTSTHFASQNQPSDSSPWSAGKRNKGEKNGKGLRHFSMKVCEKVQ
RKGTTSYNEVADELVAEFSAADNHILPNESAYDQKNIRRRVYDALNVLAMNIISEKKEIKWIGLPT
NSAQECQNLEVERQRRLERIKKQKSQLQELILQQIAFKNLVQRNRHAEQQASRPPPPNSVIHLPFII
VNTSKKTVIDCSISNDKFEYLFNFDNTFEIHDDIEVLKRMGMACGLESGSCSAEDLKMARSLVPKA
LEPYVTEMAQGTVGGVFITTAGSTSNGTRFSASDLTNGADGMLATSSNGSQYSGSRVETPVSYV
GEDDEEDDDFNENEDDD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TFDP1

Entrez GeneID [7027](#)**GeneBank Accession#** [NM_007111.3](#)**Protein Accession#** [NP_009042.1](#)**Gene Name** TFDP1**Gene Alias** DP1, DRTF1, Dp-1**Gene Description** transcription factor Dp-1**Omim ID** [189902](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a member of a family of transcription factors that heterodimerize with E2F proteins to enhance their DNA-binding activity and promote transcription from E2F target genes. The encoded protein functions as part of this complex to control the transcriptional activity of numerous genes involved in cell cycle progression from G1 to S phase. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1, 15, and X

Other Designations DRTF1-polypeptide 1|E2F dimerization partner 1|E2F-related transcription factor|OTTHUMP0000018765

Pathway

- [Cell cycle](#)

- [TGF-beta signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)